

**7X7****DOUBLE DIODE—HIGH-MU TRIODE****7X7**GENERAL DATA**Electrical:**

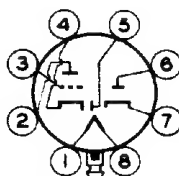
Heater, for Unipotential Cathodes:

Voltage. 6.3[□] ac or dc volts
 Current. 0.3^{□□} amp

Mechanical:

Mounting Position. Any
 Maximum Overall Length 2-25/32"
 Maximum Seated Length. 2-1/4"
 Maximum Diameter 1-3/16"
 Bulb T-9
 Base Lock-in 8-Pin
 Basing Designation for BOTTOM VIEW 8BZ

Pin 1—Heater
 Pin 2—Triode Plate
 Pin 3—Triode Grid
 Pin 4—Cathode
 (Triode &
 Diode No.1)
 Internal
 Shield



Pin 5—Diode Plate
 No.1
 Pin 6—Diode Plate
 No.2
 Pin 7—Cathode
 (Diode No.2)
 Pin 8—Heater
 Plug — Base Shell

TRIODE UNIT
AMPLIFIER—Class A₁

Maximum Ratings, Design-Center Values:

PLATE VOLTAGE. 300 max. volts
 PEAK HEATER-CATHODE VOLTAGE:
 Heater negative with respect to cathode . . . 90 max. volts
 Heater positive with respect to cathode . . . 90 max. volts

Typical Operation and Characteristics:

Plate Voltage.	100	250	volts
Grid Voltage	0	-1	volt
Amplification Factor	85	100	
Plate Resistance	85000	67000	ohms
Transconductance	1000	1500	μmhos
Plate Current	1.2	1.9	ma

DIODE UNITS — Two

The 7X7 differs from the usual twin-diode-triode in that diode No.2 has its own cathode, separate from that used for the triode and diode No.1.

□ Nominal voltage = 7.0 volts.

□□ Nominal current = 0.32 ampere.

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TUBE DEPARTMENT
 RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

DATA